

Hardware/Sysadmin/Puppet

January 30, 2024

- Procurement:
 - CMS and FermiGrid worker nodes (79 CMS, 21 FermiGrid) ready for production, except for two problematic nodes, in progress.
 - **Update:** CMS tape dCache servers (NVMe SSD storage) in racks. Network parts have arrived. Hope to install soon.
 - **Update:** CMS and IF disk storage: Network parts have arrived. Hope to resume installations soon.
 - **Update:** GPU servers. Network parts have arrived. Hope to resume installations soon.
 - General CMS servers are here, getting installed into racks.
- Degradation of interactive servers on Saturday 1/27. Network switch rebooted, interrupting network to several Ceph managers. Ceph recovered, but client mounts on about half the GPCF interactive nodes were broken, which in many cases required rebooting the system.
- Preparing to contact experiments and other stakeholders with proposed dates for upgrades from SL7 to EL9. Test nodes are available now; target is to do upgrades in April.
- HPC:
 - Wilson Cluster upgrades complete
- Upgrading from SL7
 - Status:

OS version	SL7	EL8	EL9
# nodes	2007	674	511

Other Activities

- OKD
 - IPv6 testing in dev cluster
 - Modified the firewall to fix some connection issues
 - Still some issues remaining
 - Strange behavior when trying to use okdnat1 as a gateway
 - Created new project with external IP 'samdev' for Brandon White to test FTS/SAM deployment on OKD
- Proxmox/RHV/GPCF
 - Proxmox hosts now reporting to ocsinventory and clogger (they are just Debian Linux underneath)
 - Replaced certs on all servers to include the new alias name ssi-proxmox
 - SAN storage configured on CMS Proxmox cluster
 - CMS Proxmox cluster is now up and ready for use.
 - Modified various Proxmox scripts to be able to distinguish storage for both clusters (General and CMS)
- Miscellaneous
 - Some kind of network interruption caused a widespread Ceph disruption on Saturday. The network issue cleared itself but left ~150 client systems with broken mounts. Most of that was cleaned up Saturday, and the rest is being cleaned up as it is discovered.
 - New database backup ceph mount added to ifbeam database servers. Service owners are copying their data now.
 - Renewed some pubdata23nn grid host certificates that somehow were missed back in December and showed up as expired in Checkmk
- SL7 Upgrades
 - Working on / prepping SL7 updates for Nova DAQ/DCS (~40 nodes remaining)
 - novadaq: got a list of priorities from Leon, still going to be a while.
 - novadcs: Denise says they're having issues getting their software to run on alma9. No specific ETA on when it'll work.
 - Nova offline: Gavin says Nova plans to discuss at their next collaboration meeting, which is the week of Feb 6. After that he should have a timeline for upgrades. We are pushing for April.
 - Worker node upgrades temporarily on hold while CSI group diagnoses problems running glideins to Alma 9 nodes. This may have been traced to HTCondor version requirements.
 - SL7 upgrades for SAM gpvms: Brandon is trying to get everything into OKD, so these will be retired when that happens.
 - buildservice (Jenkins): we will shut off the SL7 build nodes on June 20.

- ssidb: upgrading on Feb 1.
- Getting ready to reinstall ailab01-04.
- Building cms-ipv6-test-02 to replace cms-ipv6-test-01

- Installs/Moves/Retirements
 - CMS general servers installed in racks

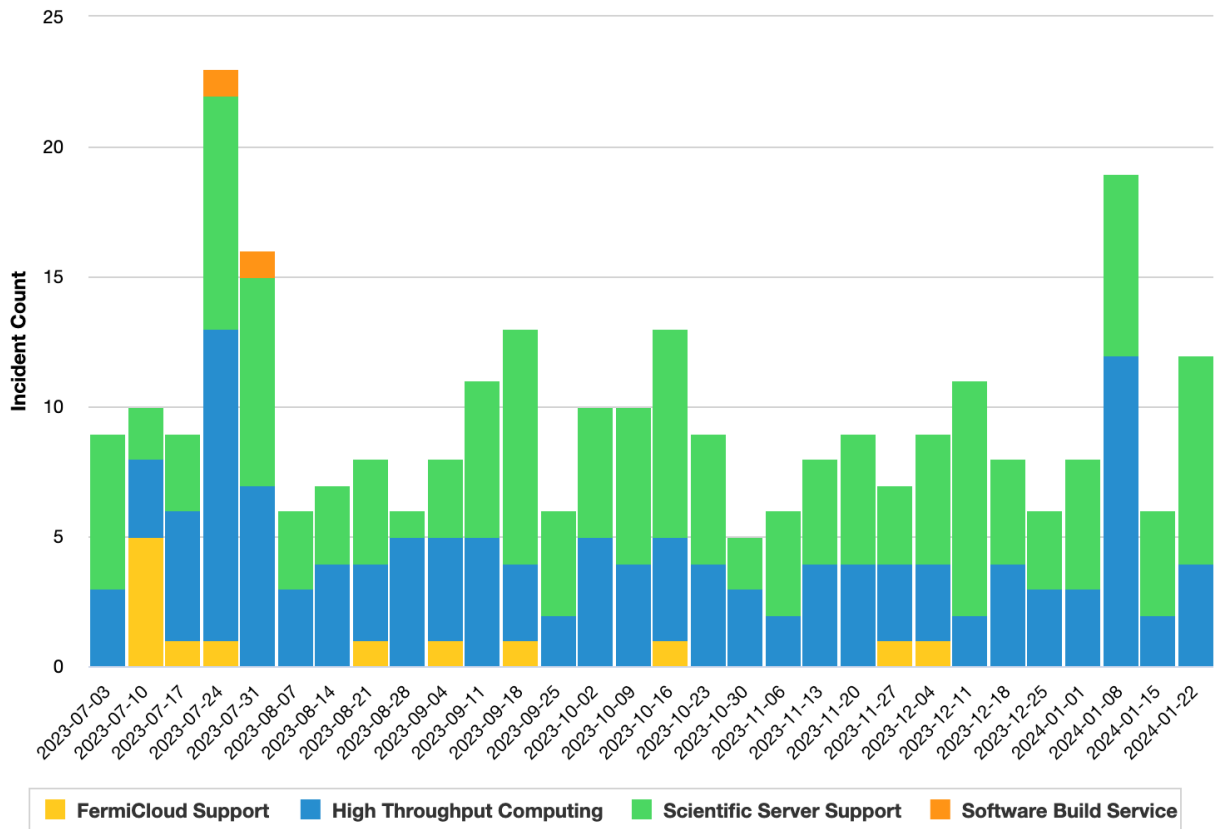
- Normal operations: 120 logged interventions last 3 weeks—replacing disks, rebooting hung systems, fixing corrupt RPM databases, retiring systems, fixing xinetd issues, clearing caches, fixing hung NFS mounts, fixing Puppet errors, etc.

HPC (High Performance & Parallel Computing

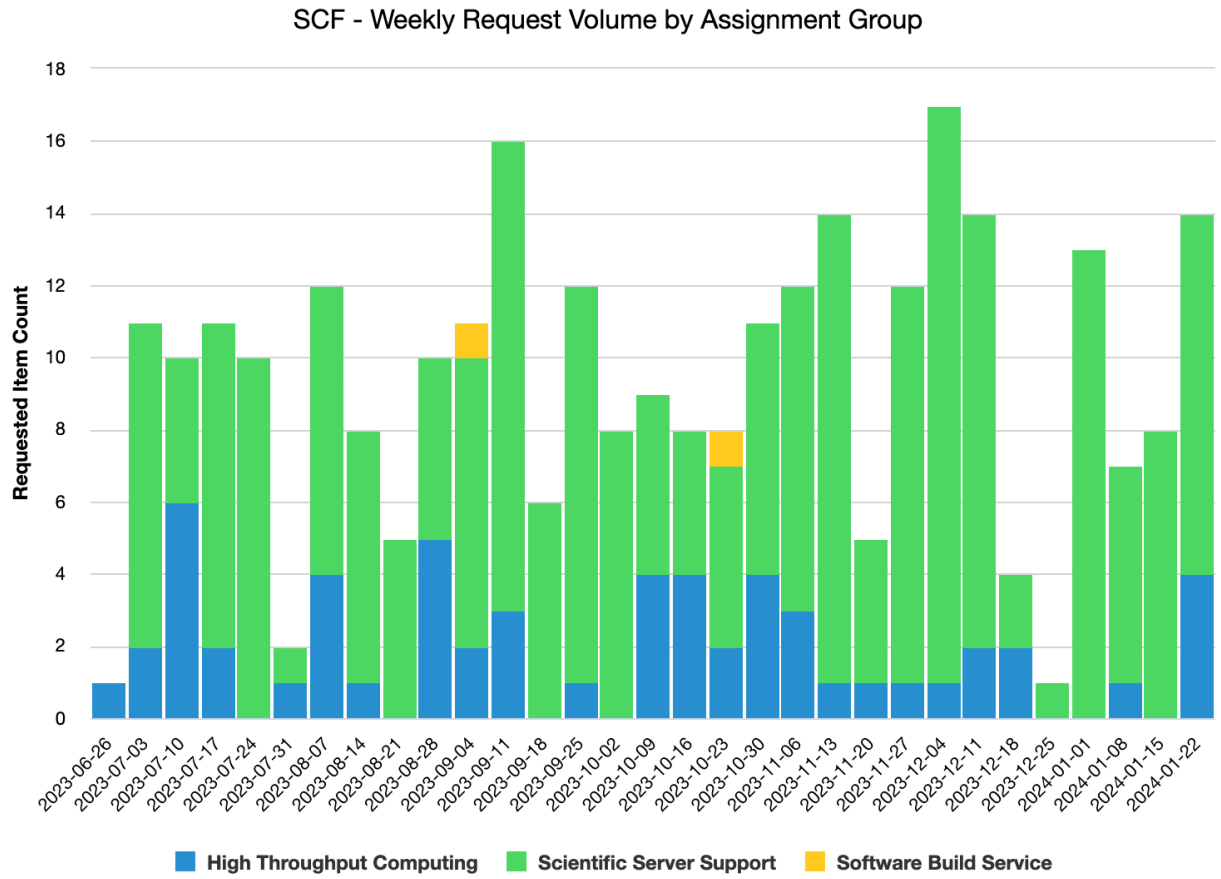
- Wilson Cluster upgrade to EL8 complete.

Incidents

SCF - Weekly Incident Volume by Assignment Group



Requests



Ticket Trend

